

SCHOOL BUS BODY SPECIFICATION

Note: All bids on body equipment shall meet or exceed the specifications listed below and, in addition, those stated in the publication "Minimum Standards for Construction of School Transportation Equipment, Iowa TR-B-3R (Revised 1998)," as well as any appropriate Federal Motor Vehicle Safety Standards. These specifications are also available on the Department of Education web site.

www.state.ia.us/educate/docs/constru.pdf

BODY ITEM & RULES CHAPTER	SPECIFICATION INFORMATION	BIDDERS BASE PROPOSAL	OPTION	OPTION PRICE (ADD OR DEDUCT)
1. Service Entrance Doors 44.4(13)	Panic door ____ yes ____ no Bi-fold ____ yes ____ no Jackknife ____ yes ____ no Manual opening ____ yes ____ no Power door ____ yes ____ no			
2. Floor Insulation and Covering 44.4(16)	Color:			
3. Rear View Mirrors (Exterior) 44.4(26)	See Iowa standards Electrically heated Black or chrome only			
4. Driver's Seats 44.4(36)	Secured with grade 5 or better bolts and lock nuts or lock washers and nuts.			
5. Driver Seat Belt/Shoulder Harness System 44.4(37)	Type 2 lap belt/shoulder harness		Standard	
6. Passenger Seats 44.4(38)	Heavy duty construction Minimum 42=oz. Finished weight Color shall be _____ Seat spacing shall be that of minimum & maximum allowable.	Describe: Seat spacing: ____ inches		
7. Emergency Exits 44.4(13)	Left side emergency exit Yes ____ No ____ Must comply to all FMV regulations			

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8. Heaters and Air Conditioning 44.4(18)	Interior body heating system shall include: A. One (1) left front heater with defroster B. One (1) right front heater with defroster C. One (1) rear, under seat, heater mounted rear or rear wheel well 80,000 btu minimum	A. BTU rating _____ B. BTU rating _____ C. BTU rating _____		
9. Strobe Light 44.4(24)	Iowa DOT approved Installed 1-10 feet from rear center High profile _____ Low Profile _____	Make/Model _____ _____ _____ Height: _____ inches		
10. Windshield Wipers/Washers 44.4(24)	Electric, wet arm-type required			
11. Circuit Breakers	All body electrical systems shall be protected with circuit breakers.			
12.Wiring 44.3(41)	All wiring shall conform to current applicable SAE recommended practices.			
13. Crossing Control Arms 44.4(11)	Shall meet or exceed SAE Standard J1133 and all Iowa minimum requirements.			
14. Battery Compartment 44.4(3)	In body skirt required Opening shall be min. dim. of 25 inches wide, 14 inches deep and 10 inches high. Top, inside surface of battery box covered with impact resistant, nonconductive material.			

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15. Plywood Subflooring 44.4(16)	Five-ply, at least 5/8 inch thick exterior-type, BC grade			
16. Emergency Equipment 44.4(15)	Meeting Iowa Minimum Standards			
17. Undercoating 44.3(39)	Entire underside of bus body, including floor section, cross members and below floor line side panels.			
18. Identification 44.4(20)	All state specifications Body shall bear the name of the school district, right and left side, as follows: _____			
19. Bus Number 44.4(20)	5 – 8 inch black letters (yellow if on bumpers) See Iowa standards for location Bus Number _____			
20. Windows & Windshield 44.4(55)	Shall be split-sash type (FMUSS 217). Vacuum-sealed double glass required in upper glass sections of the service door on right side of body and both sections of the driver's window. All glass shall meet American National Standard Z-26.1			
21. Diagrams and Body Parts Manual	Complete wiring diagram(s) shall be provided as well as a complete body parts manual for <u>each</u> unit ordered.			
22. Axle Requirements for Unit Certification	Specify front and rear axle weight ratings necessary for final certification of the completed unit by the body manufacturer.	<u>Front</u> <u>Rear</u> A. B. C. D.		

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23. Backup Warning Alarm 44.4(2)	In accordance with SAE standards for rubber tired vehicles.			
24. Bumper, Rear 44.4(6)	3/16 inch pressed steel channel Minimum of 9 inches wide Color = black			
25. Retroflective Lettering 44.4(34)	As per Iowa standards			
26. Rub Rails 44.4(35)	As per Iowa standards			
27. Vandal Locks 44.4(52)	As per Iowa minimum standards Yes _____ No _____			
28. Ventilation 44.4(53)	As per Iowa minimum specifications			
29. P.A. System 44.4(32)	Yes _____ No _____			
30. Radio System & Speakers 44.4(23)	AM/FM _____ AM/FM cassette _____ AM _____ Factory installed			
31. Passenger Securement 44.4(39)	Seat Belts Yes _____ No _____ or number of rows of seats equipped with seat belts _____ rows.			